

3D1 heavy chain variable region sequence

30 60
 ATG GGT TGG AAC TGT ATC ATC TTC TTT CTG GTT ACA ACA GCT ACA GGT GTG CAC TCC CAG
 M G W N C I I F F L V T T A T G V H S Q
 90 120
 GTC CAG CTG CAG CAG TCT GGG CCT GAG CTG GTG AGG CCT GGG GAA TCA GTG AAG ATT TCC
 V Q L Q Q S G P E L V R P G E S V K I S
 150 180
 TGC AAG GGT TCC GGC TAC ACA TTC ACT GAT TAT GCT ATA CAG TGG GTG AAG CAG AGT CAT
 C K G S G Y T F T D Y A I Q W V K Q S H
 210 240
 GCA AAG AGT CTA GAG TGG ATT GGA GTT ATT AAT ATT TAC TAT GAT AAT ACA AAC TAC AAC
 A K S L E W I G V I N I Y Y D N T N Y N
 270 300
 CAG AAG TTT AAG GGC AAG GCC ACA ATG ACT GTA GAC AAA TCC TCC AGC ACA GCC TAT ATG
Q K F K G K A T M T V D K S S S T A Y M
 330 360
 GAA CTT GCC AGA TTG ACA TCT GAG GAT TCT GCC ATC TAT TAC TGT GCA AGA GCG GCC TGG
 E L A R L T S E D S A I Y Y C A R A A W
 390
 TAT ATG GAC TAC TGG GGT CAA GGA ACC TCA GTC ACC GTC TCC TCA
Y M D Y W G Q G T S V T V S S

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Figure 1 (A)

3D1 light chain variable region sequence

30 60
 ATG GAT TCA CAG GCC CAG GTT CTT ATA TTG CTG CTG CTA TGG GTA TCT GGT ACC TGT GGG
 M D S Q A Q V L I L L L L W V S G T C G

90 120
 GAC ATT GTG CTG TCA CAG TCT CCA TCC TCC CTG GCT GTG TCA GCA GGA GAG AAG GTC ACT
 D I V L S Q S P S S L A V S A G E K V T

150 180
 ATG AGC TGC AAA TCC AGT CAG AGT CTG CTC AAC AGT AGA ACC CGA GAG AAC TAC TTG GCT
 M S C K S S O S L L N S R T R E N Y L A

210 240
 TGG TAC CAG CAG AAA CCA GGG CAG TCT CCT AAA CTG CTG ATC TAC TGG GCA TCC ACT AGG
 W Y Q Q K P G Q S P K L L I Y W A S T R

270 300
 GAA TCT GGG GTC CCT GAT CGC TTC ACA GGC AGT GGA TCT GGG ACA GAT TTC ACT CTC ACC
E S G V P D R F T G S G S G T D F T L T

330 360
 ATC AGC AGT GTG CAG GCT GAA GAC CTG GCA GTT TAT TAC TGC ACG CAA TCT TAT AAT CTT
 I S S V Q A E D L A V Y Y C T O S Y N L

390
 TAC ACG TTC GGA GGG GGG ACC AAG CTG GAA ATA AAA
Y T F G G G T K L E I K

00220"TE29960

Figure 1 (B)

Hu3D1 heavy chain variable region sequence

30 60
 ATG GGT TGG AAC TGT ATC ATC TTC TTT CTG GTT ACC ACA GCT ACA GGT GTG CAC TCC CAG
 M G W N C I I F F L V T T A T G V H S Q
 90 120
 GTC CAG CTG GTG CAG TCT GGG GCT GAG GTG AAG AAG CCT GGG AGC TCA GTG AAG GTG TCC
 V Q L V Q S G A E V K K P G S S V K V S
 150 180
 TGC AAA GCT TCC GGC TAC ACA TTC ACT GAT TAT GCT ATA CAG TGG GTG AGA CAG GCT CCT
 C K A S G Y T F T D Y A I Q W V R Q A P
 210 240
 - GGA CAG GGC CTC GAG TGG ATT GGA GTT ATT AAT ATT TAC TAT GAT AAT ACA AAC TAC AAC
 G Q G L E W I G V I N I Y Y D N T N Y N
 270 300
 CAG AAG TTT AAG GGC AAG GCC ACA ATG ACT GTA GAC AAG TCG ACG AGC ACA GCC TAT ATG
Q K F K G K A T M T V D K S T S T A Y M
 330 360
 GAA CTT AGT TCT TTG AGA TCT GAG GAT ACG GCC GTT TAT TAC TGT GCA AGA GCG GCC TGG
 E L S S L R S E D T A V Y Y C A R A A W
 390
 TAT ATG GAC TAC TGG GGT CAA GGT ACC CTT GTC ACC GTC TCC TCA
Y M D Y W G Q G T L V T V S S

Figure 2 (A)

Hu3D1 light chain variable region sequence

30 60
 ATG GAT TCA CAG GCC CAG GTT CTT ATA TTG CTG CTG CTA TGG GTA TCT GGC ACC TGT GGG
 M D S Q A Q V L I L L L L W V S G T C G

90 120
 GAC ATT GTG CTG ACA CAG TCT CCA GAT TCC CTG GCT GTA AGC TTA GGA GAG AGG GCC ACT
D I V L T Q S P D S L A V S L G E R A T

150 180
 ATT AGC TGC AAA TCC AGT CAG AGT CTG CTC AAC AGT AGA ACC CGA GAG AAC TAC TTG GCT
 I S C K S S O S L L N S R T R E N Y L A

210 240
 TGG TAC CAG CAG AAA CCA GGG CAG CCT CCT AAA CTG CTG ATC TAC TGG GCA TCC ACT AGG
 W Y Q Q K P G Q P P K L L I Y W A S T R

270 300
 GAA TCT GGG GTC CCT GAT CGC TTC AGT GGC AGT GGA TCT GGG ACA GAT TTC ACT CTC ACC
E S G V P D R F S G S G S G T D F T L T

330 360
 ATC AGC AGT CTG CAG GCT GAA GAC GTG GCA GTT TAT TAC TGC ACG CAA TCT TAT AAT CTT
 I S S L Q A E D V A V Y Y C T O S Y N L

390
 TAC ACG TTC GGA CAG GGG ACC AAG GTG GAA ATA AAA
Y T F G Q G T K V E I K

Figure 2 (B)

00220" FE292960

Competition Binding Assay of Anti-B7.2 mAbs

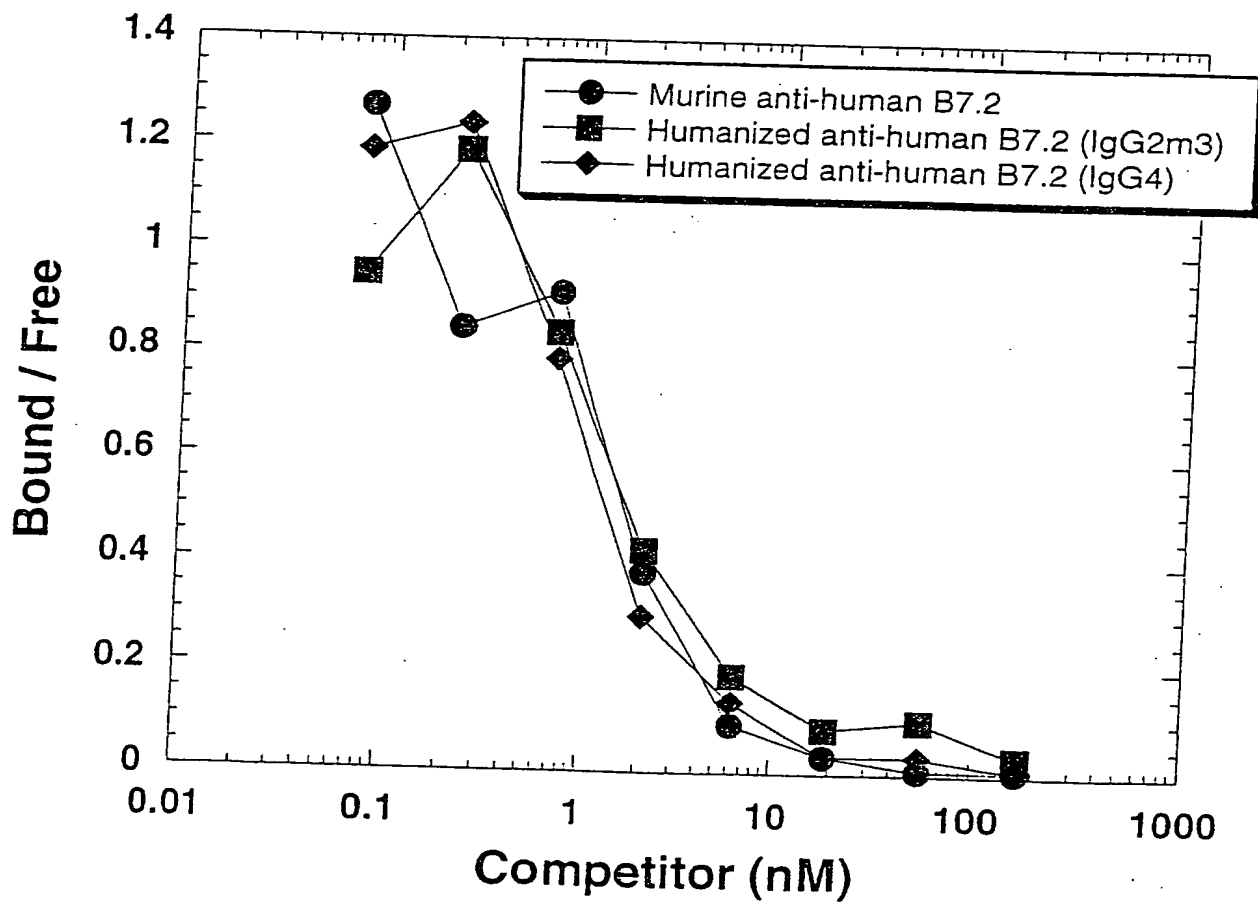


Figure 3

Direct Binding Assay of Anti-B7.2 mAbs

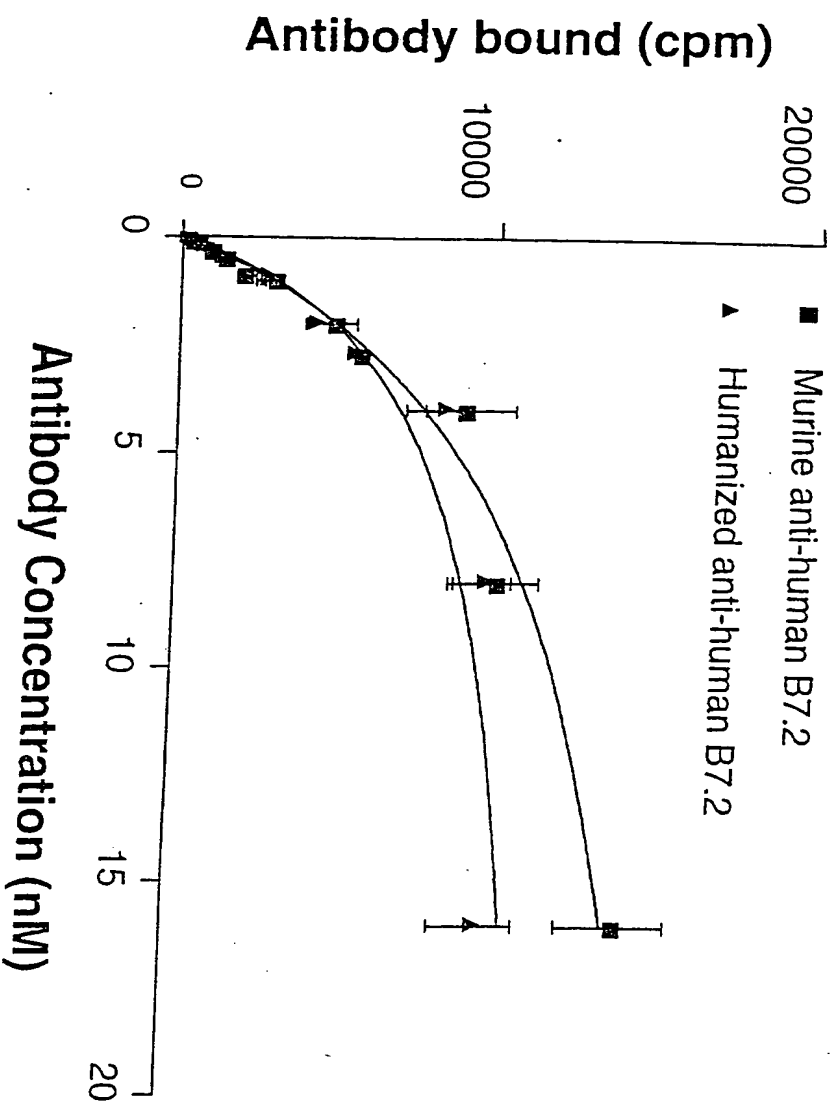


Figure 4

09626731.072700

002220" FE 92960

Inhibition of CD28⁺ T Cell Proliferation by Anti-B7.2 mAbs

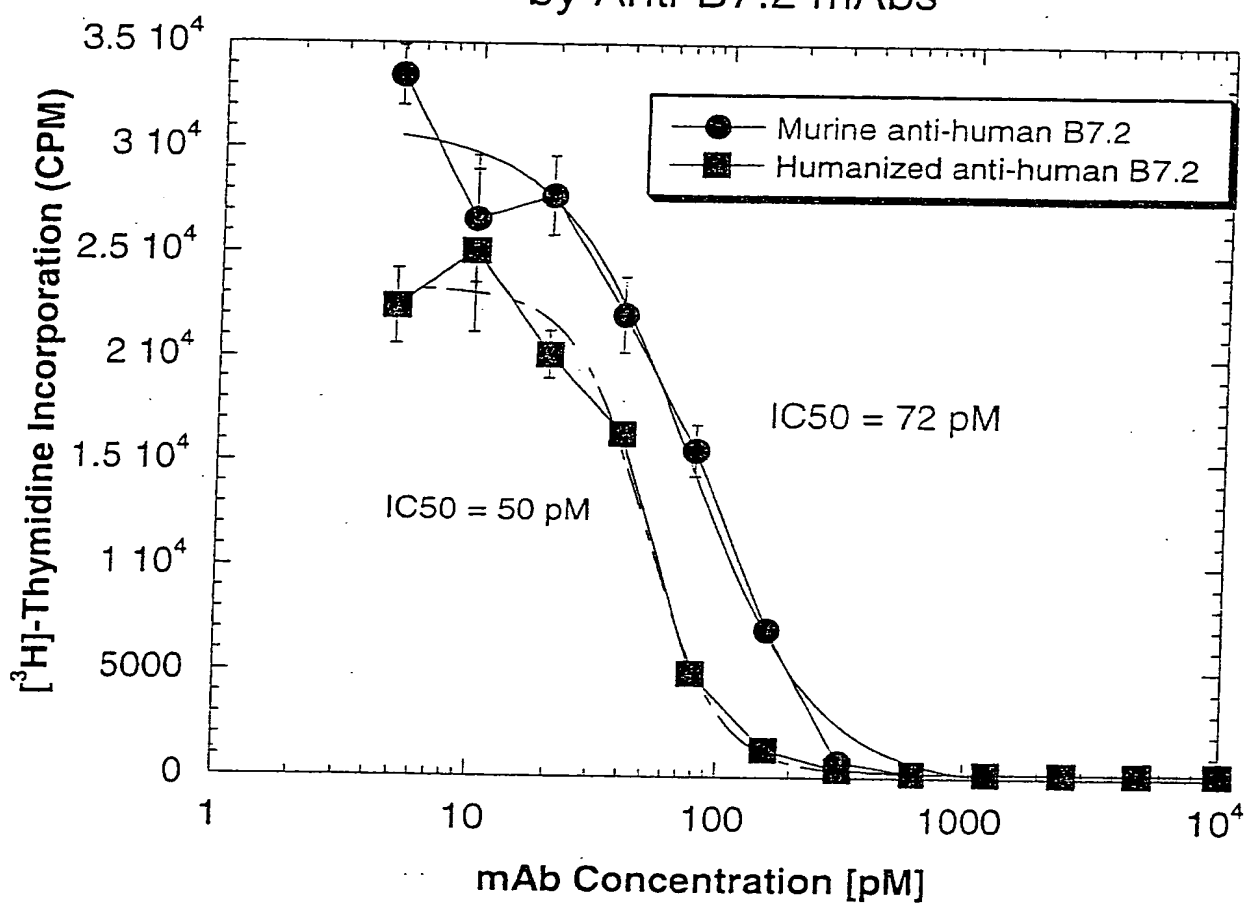


Figure 5

Inhibition of a Mixed Lymphocyte Reaction by Anti-B7 Antibodies and CTLA4Ig

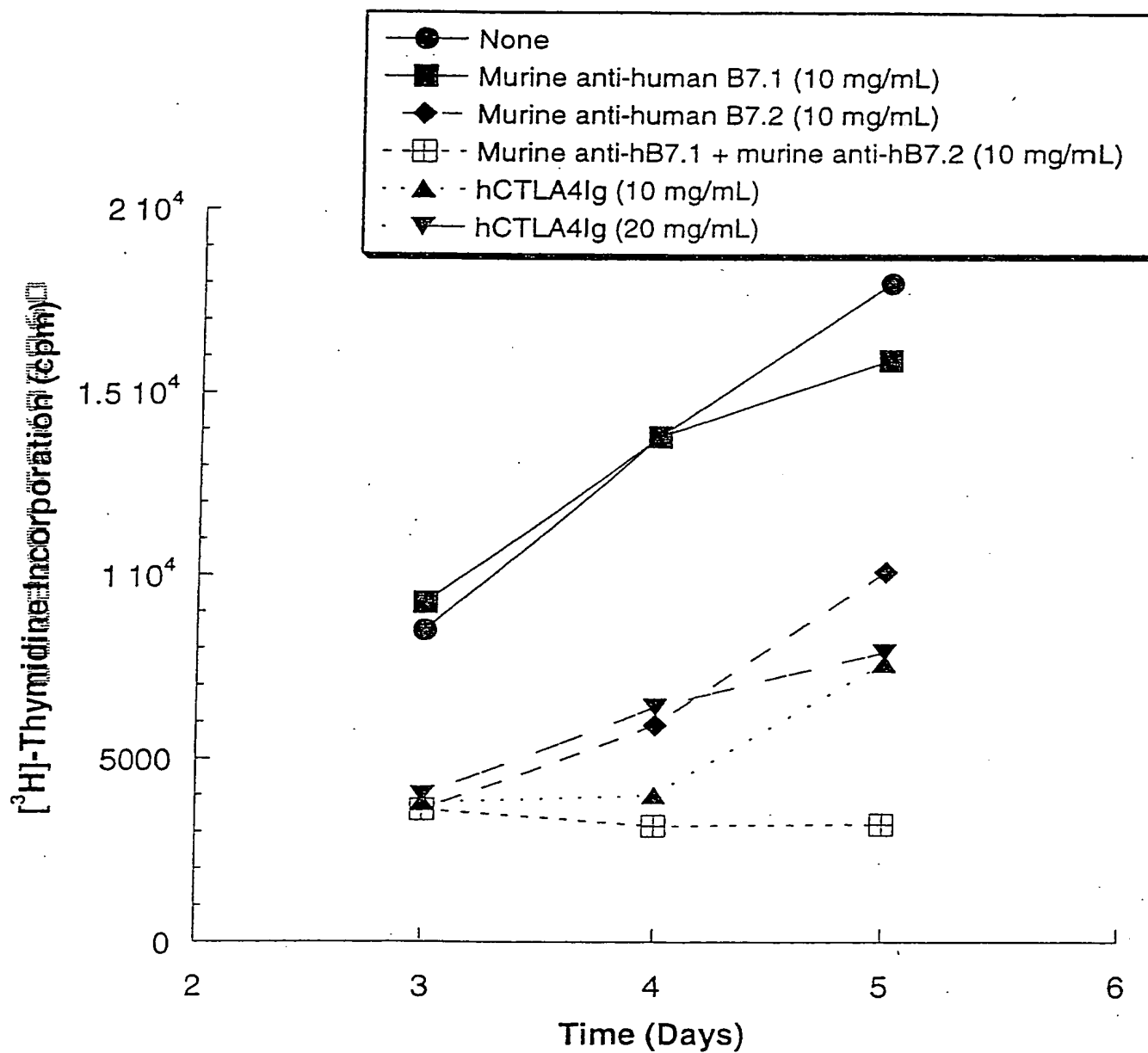


Figure 6

00220" TE 92960

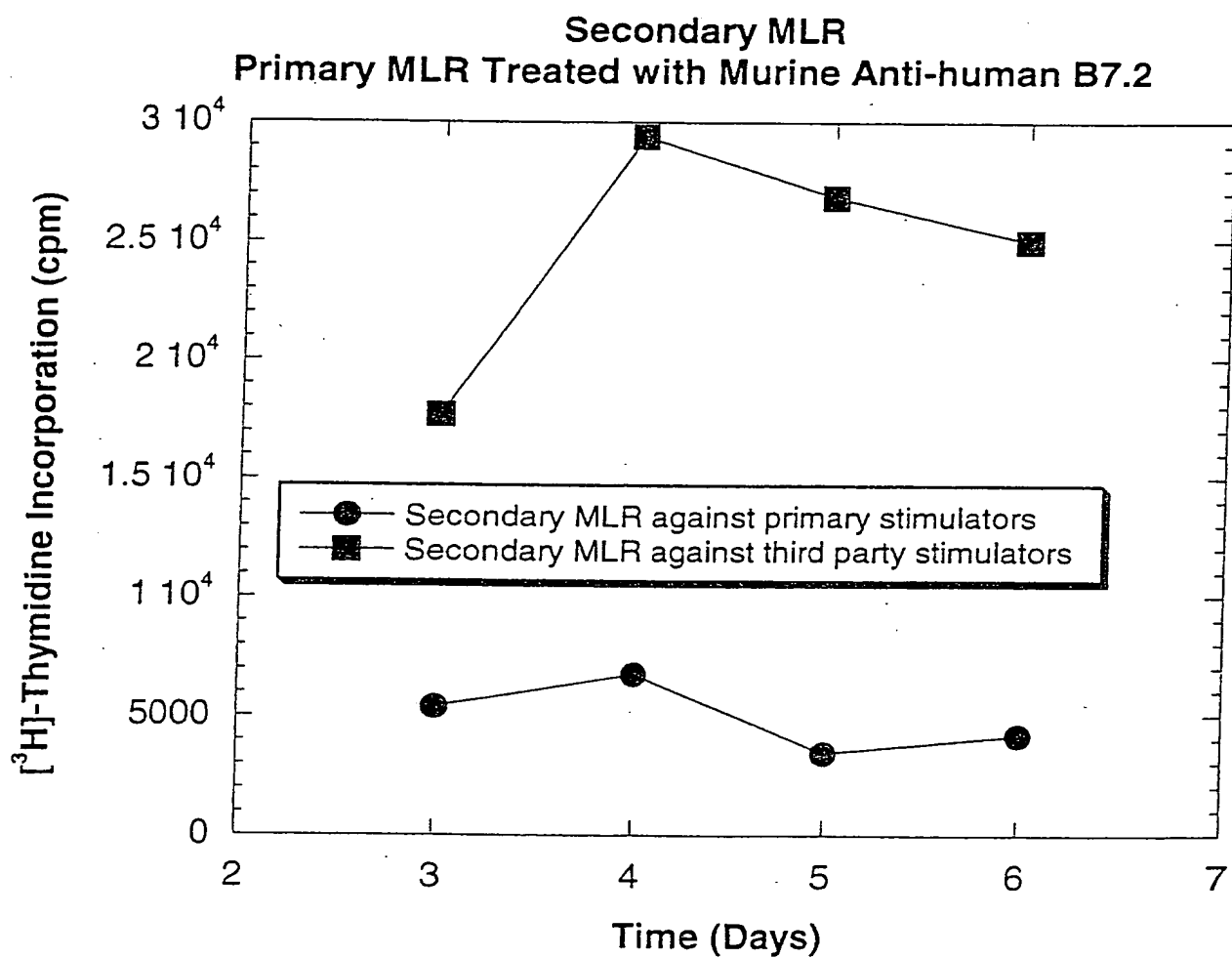


Figure 7

00220 TE 92960

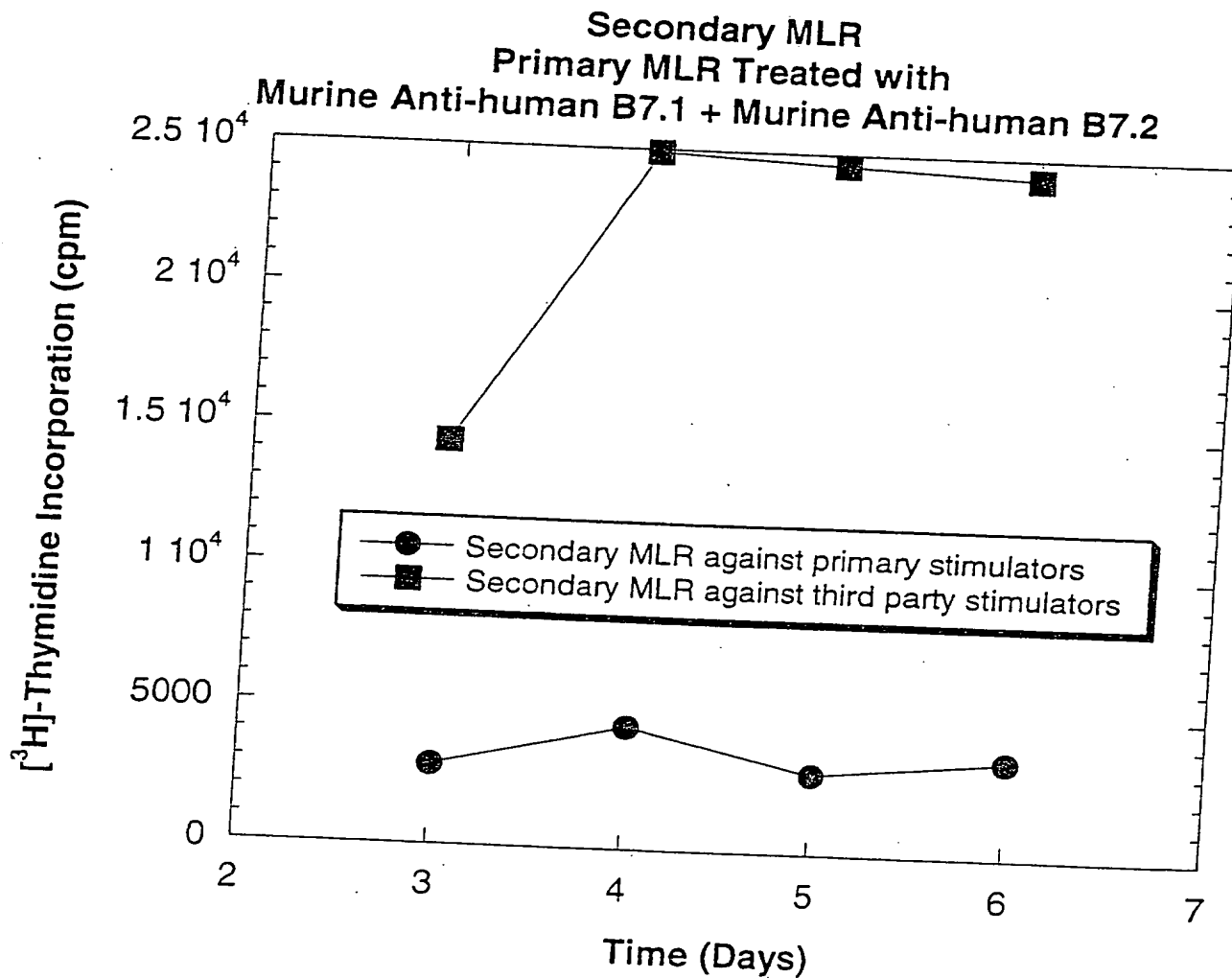
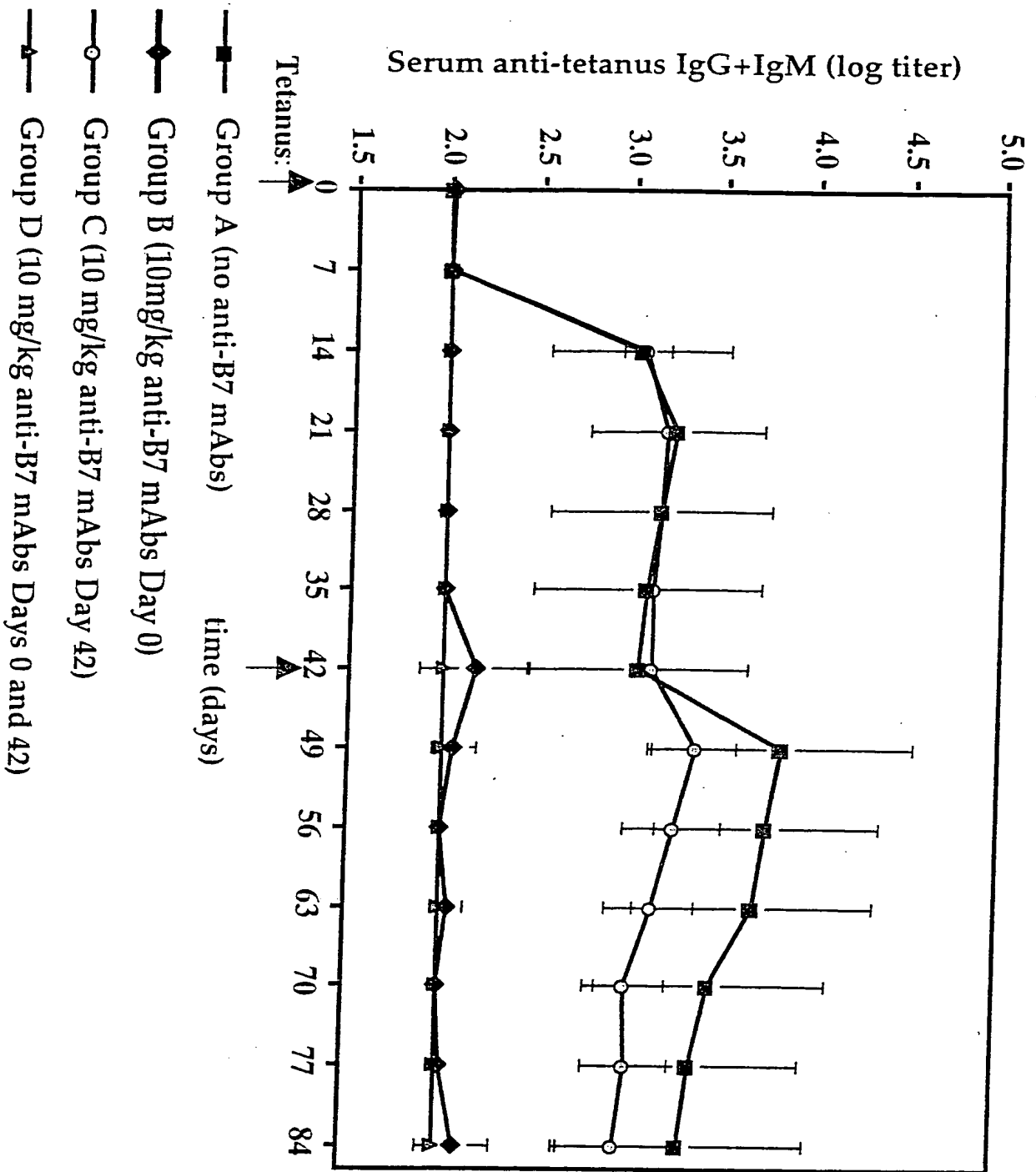


Figure 8

Antibody Response to Tetanus Immunization During Costimulation Blockade with Humanized Anti-B7.1 and Anti-B7.2



002240 TE 23950

Serum Concentration of Humanized Anti-B7-2 in cynomolgus Monkeys

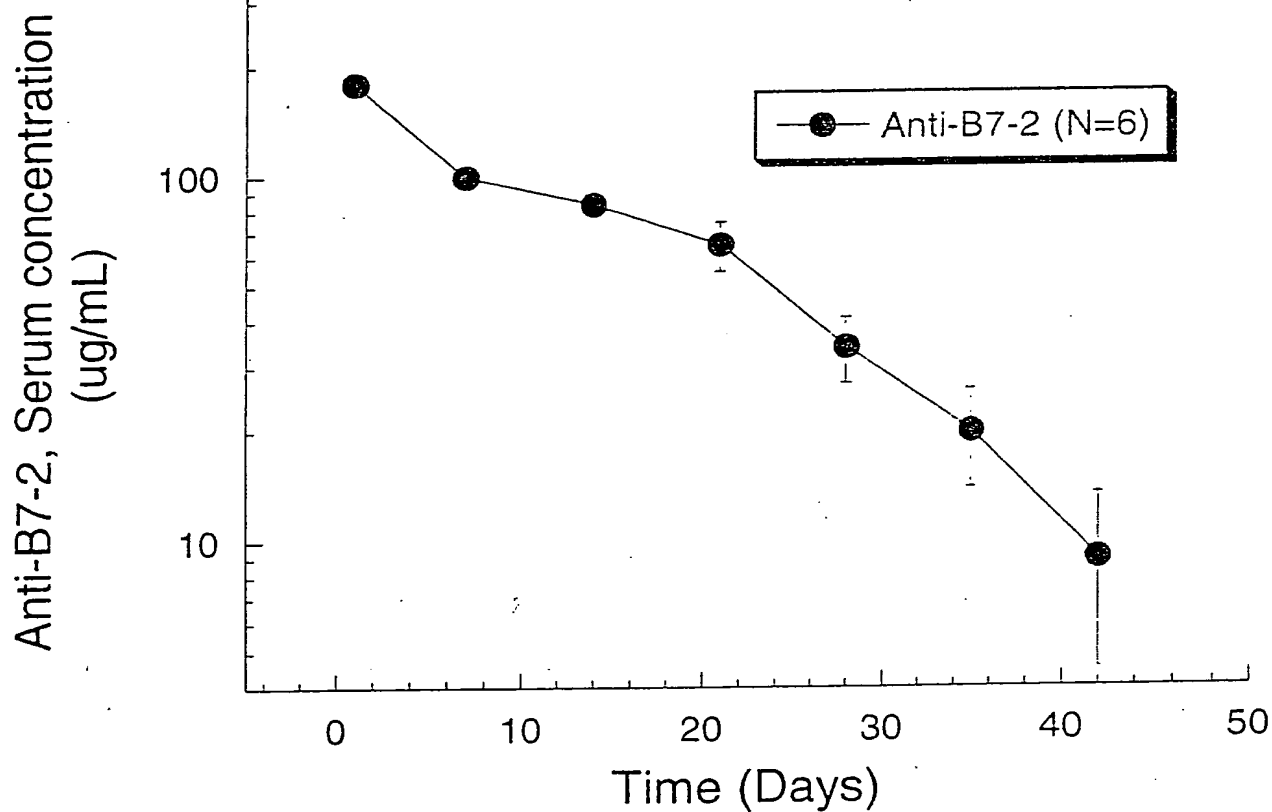


Figure 10